

# (12) United States Patent

## Vera

### (54) TAMALE MASA SPREADER

- (71) Applicant: Daniel Vera, Corpus Christi, TX (US)
- Inventor: Daniel Vera, Corpus Christi, TX (US)
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See application file for complete search history.

#### (56)**References Cited**

(58) Field of Classification Search

#### U.S. PATENT DOCUMENTS

1,527,870 A			
2,134,862 A	*	11/1938	Dunnam B65B 9/12
			452/47
2,348,082 A	L	5/1944	Lofgren
3,736,088 A	*	5/1973	Jimenez A21B 3/00
			118/506
4,084,493 A	*	4/1978	Quintana A21C 9/063
			426/297
5,211,107 A	*	5/1993	Tsay A21C 11/163
			425/132
5,281,427 A	*	1/1994	Rahim A21B 5/00
			425/376.1

#### US 9,420,802 B1 (10) **Patent No.:** (45) **Date of Patent:** Aug. 23, 2016

5,437,076	A	8/1995	Vasquez
5,667,821	A *	9/1997	Castaneda A21C 11/00
			425/218
6,170,391	B1 *	1/2001	Pomara, Jr A21C 9/063
			99/450.1
6,443,054	B1 *	9/2002	McCarney A21C 11/006
			425/150
7,487,718	B2 *	2/2009	Foulon, Jr A21C 9/063
			426/502
7,850,440	B2 *	12/2010	Alvidrez A21C 11/008
			269/302.1
8,356,696		1/2013	Carroll et al.
8,506,283	B1 *	8/2013	Gonzales B30B 11/02
			249/122
8,561,854		10/2013	Tirone
9,149,046		10/2015	McCarney A21C 11/006
2004/0035301	A1*	2/2004	Huang A21C 9/061
			99/450.7

#### OTHER PUBLICATIONS

Beginning Claim Drafting, Independent Inventors Conference, Aug.

Advanced Claim Drafting, Independent Inventors Conference, Aug. 15, 2014.\*

\* cited by examiner

Primary Examiner — Nina Bhat

#### (57)ABSTRACT

The present invention; in its primary intention, is a system wherein a refillable tamale masa container has motivating means for moving masa through the container and out to the underside of a masa spreading trowel that is in communication with the masa in the container, thus effecting a more sanitary and motion reducing spreading of tamale masa dough onto a corn husk. The husk with the masa spread on it is called a tamale blank. The system has several embodiments that vary in how the system decreases human contact and motions and efforts necessary to make many tamale blanks. The system can be used to spread other viscous materials on various surfaces.

## 20 Claims, 16 Drawing Sheets

